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                 IPC version 2007.01 thesaurus available on STN
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         JAN 16
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                 CA/CAplus updated with revised CAS roles
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         JAN 22
                 CA/CAplus enhanced with patent applications from India
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                 PHAR reloaded with new search and display fields
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                 CAS Registry Number crossover limit increased to 300,000 in
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                 KOREAPAT enhanced with IPC 8 features and functionality
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                 MEDLINE reloaded with enhancements
                 EMBASE enhanced with Clinical Trial Number field
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NEWS 15
         FEB 26
                 TOXCENTER enhanced with reloaded MEDLINE
         FEB 26
NEWS 16
                 IFICDB/IFIPAT/IFIUDB reloaded with enhancements
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                 CAS Registry Number crossover limit increased from 10,000
                 to 300,000 in multiple databases
                 WPIDS/WPIX enhanced with new FRAGHITSTR display format
NEWS 18
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                 CASREACT coverage extended
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                 MARPAT now updated daily
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                 LWPI reloaded
NEWS 22 MAR 30
                 RDISCLOSURE reloaded with enhancements
NEWS 23 APR 02
                 JICST-EPLUS removed from database clusters and STN
NEWS 24 APR 30
                 GENBANK reloaded and enhanced with Genome Project ID field
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                 CHEMCATS enhanced with 1.2 million new records
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                 CA/Caplus enhanced with 1870-1889 U.S. patent records
         APR 30
                 INPADOC replaced by INPADOCDB on STN
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                 New CAS web site launched
         80 YAM
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                 CA/CAplus Indian patent publication number format defined
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         MAY 14
                 RDISCLOSURE on STN Easy enhanced with new search and display
                 fields
NEWS 31
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                 BIOSIS reloaded and enhanced with archival data
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                 TOXCENTER enhanced with BIOSIS reload
NEWS 33
         MAY 21
                 CA/CAplus enhanced with additional kind codes for German
                 patents
        MAY 22
                 CA/CAplus enhanced with IPC reclassification in Japanese
NEWS 34
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NEWS EXPRESS NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.

patents

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NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

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=> FILE REGISTRY

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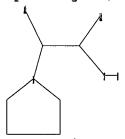
Please note that search-term pricing does apply when conducting SmartSELECT searches.

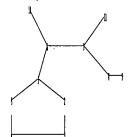
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http://www.cas.org/support/stngen/stndoc/properties.html

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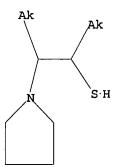
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6 7 8 9 10 11
ring nodes :
1 2 3 4 5
chain bonds :
1-6 6-7 6-10 7-8 7-11 8-9
ring bonds :
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exact/norm bonds :
1-2 1-5 1-6 6-10 7-8 7-11
exact bonds :
2-3 3-4 4-5 6-7 8-9
isolated ring systems :
containing 1 :

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS 11:CLASS

L1 STRUCTURE UPLOADED

=> d l1 L1 HAS NO ANSWERS L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s 11 SAMPLE SEARCH INITIATED 09:27:04 FILE 'REGISTRY' SAMPLE SCREEN SEARCH COMPLETED - 4734 TO ITERATE 42.2% PROCESSED 2000 ITERATIONS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS:

90554 TO 98806

PROJECTED ANSWERS:

0 TO 0

L2

L3

0 SEA SSS SAM L1

6 SEA SSS FUL L1

=> s ll sss full

FULL SEARCH INITIATED 09:27:10 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 94136 TO ITERATE

100.0% PROCESSED 94136 ITERATIONS

SEARCH TIME: 00.00.02

.

=> FIL HCAPLUS

COST IN U.S. DOLLARS

SINCE FILE TOTAL

ENTRY SESSION 172.10 172.31

0 ANSWERS

6 ANSWERS

FULL ESTIMATED COST

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=> s 13

L4 4 L3

=> d l4 ibib abs hitstr tot

L4 ANSWER 1 OF 4 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2005:130245 HCAPLUS

DOCUMENT NUMBER: 142:373291

TITLE: New β -amino thiols as efficient catalysts for highly enantioselective alkenylzinc addition to

AUTHOR(S):

CORPORATE SOURCE:

CORPORATE SOURCE:

SOURCE:

PUBLISHER:
DOCUMENT TYPE:
LANGUAGE:

OTHER SOURCE(S):

GI

RN

aldehydes

Tseng, Shi-Liang; Yang, Teng-Kuei

Department of Chemistry, National Chung-Hsing University, Taichung, 40227, Peop. Rep. China Tetrahedron: Asymmetry (2005), 16(4), 773-782

CODEN: TASYE3; ISSN: 0957-4166

Elsevier B.V.

Journal English

CASREACT 142:373291

$$\mathbb{R}^3$$
 \mathbb{R}^2 \mathbb{R}^2 \mathbb{R}^5 \mathbb{R}^5 \mathbb{R}^5

AB A series of new optically active β-amino thiols and thiol acetates I [X = HS, MeCOS; R1, R2 = Me2CH, Ph; R32 = (CH2)4, (CH2)5], prepared from the simple natural amino acid (S)-(-)-valine, were found to be effective catalysts for the enantioselective addition of alkenylzinc reagents R4CH:CHZnEt (R4 = n-Bu, Me3C, n-hexyl, Ph) to aldehydes R5CHO (R5 = cyclohexyl, Ph, 2-ClC6H4, 4-MeOC6H4, PhCH:CH) and thereby providing an efficient route to chiral (E)-allylic alcs. II with ees of up to >99%.

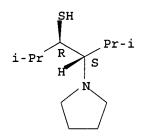
IT 757243-33-7P

RL: CAT (Catalyst use); SPN (Synthetic preparation); PREP (Preparation); USES (Uses)

(preparation of β -amino-substituted alcs., thiols and thiol acetates as chiral catalysts for enantioselective alkenylzinc addition to aldehydes) 757243-33-7 HCAPLUS

CN 1-Pyrrolidineethanethiol, α, β -bis(1-methylethyl)-, $(\alpha R, \beta S)$ - (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



REFERENCE COUNT: 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 4 HCAPLUS COPYRIGHT 2007 ACS on STN A

ACCESSION NUMBER:

2004:920913 HCAPLUS

DOCUMENT NUMBER:

142:74307

TITLE:

The application of chiral amino thiols as catalysts in

the enantioselective addition of diethylzinc to

aldehydes

AUTHOR(S):

Teng, Shi-Liang; Yang, Teng-Kuei

06/13/2007

Page 5

CORPORATE SOURCE:

Department of Chemistry, National Chung-Hsing

University, Taichung, 4022/, Tai/wan

SOURCE:

LANGUAGE:

Tetrahedron: Asymmetry (2004), 15(21), 3375-3380

CODEN: TASYE3; ISSN: 09

Elsevier B.V. PUBLISHER:

Journal English

OTHER SOURCE(S):

DOCUMENT TYPE:

CASREACT 142:74307

GI

AB Starting from (S)-(-)-valine, a series of new chiral amino thiol and corresponding thioacetate ligands I (R1, R2 = Me2CH, Ph; R3 = H, MeCO) was prepared in an efficient manner and applied in the asym. diethylzinc addition to aldehydes R4CHO (R4 = Ph, 2-MeOC6H4, 2-naphthyl, n-octyl, etc.) to afford alcs. (R)-R4CH(OH)Et with excellent enantioselectivity (up to 99% ee) and with a catalytic loading as little as 0.02 mol % [for the amino thiol I (R1 = R2 = Ph; R3 = H)].

IT 757243-33-7P

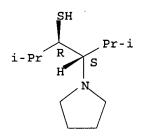
> RL: CAT (Catalyst use); SPN (Synthetic preparation); PREP (Preparation); USES (Uses)

(preparation of chiral amino thiols and their use as catalysts in enantioselective addition of diethylzinc to aldehydes)

RN 757243-33-7 HCAPLUS

1-Pyrrolidineethanethiol, α , β -bis(1-methylethyl)-, CN $(\alpha R, \beta S)$ - (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



REFERENCE COUNT:

28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ANSWER 3 OF 4 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2004:759870 HCAPLUS

DOCUMENT NUMBER: 141:277501

TITLE:

Preparation of 2-aminoethanethiol compounds as efficient catalysts for asymmetric addition reaction INVENTOR(S):

Yang, Teng-Kuri; Tseng, Shi-Liang; Liu, To; Chen,

Mark-Kuang

PATENT ASSIGNEE(S): Taiwan U.S. Pat. Appl. Publ., 15 pp., Cont.-in-part of U.S.

SOURCE:

Pat. Appl. 2003 153,781.

CODEN: USXXCO

DOCUMENT TYPE:

Patent English

LANGUAGE:

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

PATENT NO.	KIND DATE	APPLICATION NO.	DATE
	//		
US 2004181057	A1 (20040916	US 2004-807710	20040323
US 2003153781	A1 20030814	US 2002-39557	20020108
US 6861536	B2 20050301		
ORITY APPLN. INFO.:		US 2002-39557	A2 2002 <mark>0108</mark>
ED COIDCE/C).	MADDAT 141.977E01		P

OTHER SOURCE(S): MARPAT 141:277501

The present invention discloses aminothiol compds. having a general formula R3R4NCH(R1)CH(R2)SR5 (wherein R1-R4 = aryl, C1-9 alkyl; or R3, R4 and N form a three- to eight-membered heterocycle; R5 = H, C1-6 alkyl). Such compds. can perform as superior catalysts for the synthesis of chiral secondary alcs. by asym. addition reaction of organic metal compds. such organozinc compound and aldehyde. According to the present invention, the aminothiol compds. are needed only less than 0.02% based on main reactants to obtain enantioselectivity higher than 98% enantiomeric excess, whereby the asym. reactions can become very economic. Thus, cycloalkylation of (2R,3S)-3-amino-4-methylpentan-2-ol by 1,4-dibromobutane in the presence of Na2CO3 in MeCN under refluxing for 12 h gave (2R,3S)-4-methyl-3-(1pyrrolidinyl)pentan-2-ol which was treated with MeSO2Cl and Et3N in CH2Cl2 for 2 h at 0° for 2 h, concentrated, and reacted with thioacetic acid in benzene at room temperature for 12 h to give 20% (2R,3S)-4-methyl-3-(1pyrrolidinyl)-2-thioacetylpentane (I) and 40% (3R,4S)-2-methyl-4-(1pyrrolidinyl)-3-thioacetylpentane (II). I or II was reduced by LiAlH4 in Et20 at 0° for 1 h to give (2R,3S)-4-methyl-3-(1pyrrolidinyl)pentane-2-thiol or (3R,4S)-2-methyl-4-(1-pyrrolidinyl)pentane-3-thiol (III) in 80% yield. Asym. addition reaction of benzaldehyde with Et2Zn in toluene in the presence of 0.05 mequiv. (equivalence concentration)

III

at -20° for 12 h gave (R)-2-phenylpropanol (99.6% ee). Chiral (R)-1-phenyl-2-alken-1-ols were also prepared from butylacetylene and hexylacetylene by monohydroboration of alkynes with BH3.SMe2 and transmetalation of boron to zinc with diethylzinc and asym. addition reaction with benzaldehyde or derivs. using the aminothiol catalysts.

TT 757242-87-8P, (2R,3S)-4-Methyl-3-(1-pyrrolidinyl)pentane-2-thiol 757242-90-3P, (3R,4S)-2-Methyl-4-(1-pyrrolidinyl)pentane-3-thiol 757243-14-4P, (3S,4R)-2-Methyl-3-(1-pyrrolidinyl)octane-4-thiol 757243-19-9P, (3R,4S)-2-Methyl-4-(1-pyrrolidinyl) octane-3-thiol 757243-33-7P, (3R,4S)-2,5-Dimethyl-4-(1-pyrrolidinyl)hexane-3-thiol

RL: CAT (Catalyst use); SPN (Synthetic preparation); PREP (Preparation); USES (Uses)

(catalyst; preparation of 2-aminoethanethiol compds. as catalysts for asym. addition reaction of organic metal compound with aldehydes)

RN 757242-87-8 HCAPLUS

CN 1-Pyrrolidineethanethiol, α -methyl- β -(1-methylethyl)-, $(\alpha R, \beta S)$ - (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

RN 757242-90-3 HCAPLUS CN 1-Pyrrolidineethanethiol, β -methyl- α -(1-methylethyl)-, $(\alpha R, \beta S)$ - (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 757243-14-4 HCAPLUS CN 1-Pyrrolidineethanethiol, α -butyl- β -(1-methylethyl)-, $(\alpha R, \beta S)$ - (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

RN 757243-19-9 HCAPLUS CN 1-Pyrrolidineethanethiol, β -butyl- α -(1-methylethyl)-, $(\alpha R, \beta S)$ - (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

RN 757243-33-7 HCAPLUS

CN 1-Pyrrolidineethanethiol, α, β -bis(1-methylethyl)-, $(\alpha R, \beta S)$ - (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

ANSWER 4 OF 4 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER:

2001:636044 HCAPLUS

DOCUMENT NUMBER:

135:195495

TITLE:

Preparation of 2 (0x0-1-pyrrolidine derivatives and

their anticonvulsant activity

INVENTOR(S):

Differding, Edmond; Kenda, Benoit; Lallemand,

Benedicte; Matagne, Alain; Michel, Philippe; Pasau,

Patrick; Talaga, Patrice

PATENT ASSIGNEE(S):

UCB, S.A., Belg.

SOURCE:

PCT Int. Appl., 100 pp.

CODEN: PIXXD2

DOCUMENT TYPE:

Patent English

LANGUAGE:

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

PATENT NO.			KIND DATE		APPLICATION NO.						DATE							
							-											
	WO 2001062726 A2 2001083			0830	WO 2001-EP1992						20010221							
	WO	2001	0627	26		A3 20020117												
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			CR,	CU,	CZ,	DE,	DK,	DM,	DΖ,	EE,	ES,	FI,	GB,	GD,	GE,	GH,	GM,	HR,
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CA 2401033				A1		20010830			CA 2001-2401033					20010221				

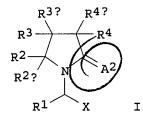
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			ΕP	2001-925354	A3	20010221
			ΕP	2001-940256	A3	20010221
			JP	2001-561734	A3	20010221
			WO	2001-EP1992	W	20010221
			IN	2002-MN1000	A3	20020723
			US	2002-204266	А3	20020820
			US	2003-693917	A 3	20031028
			EP	2004-8270	A3	20040406

OTHER SOURCE(S):

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MARPAT 135:195495



The title 2-oxo-1-pyrrolidine derivs. I [X = CA1NR5R6, CA1OR7, CA1R8, cyano; A1, A2 = O, S, NR9; R1 = H, alkyl, aryl, CH2R1; R2-R4 = H, halo, OH, SH, etc.; R2a, R3a, R4a = H, halo, alkyl, alkenyl, alkynyl, aryl; R5-R7, R9 = H, OH, alkyl, aryl, heterocyclyl; R8 = H, OH, SH, etc.] were prepared E.g., (2S)-2-[2-oxo-4-(phenoxymethyl)-1-pyrrolidinyl]butanamide was prepared I are particularly suited for treating neurol. disorders such as epilepsy.

IT 357337-34-9P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of 2-oxo-1-pyrrolidine derivs. and their anticonvulsant activity)

RN 357337-34-9 HCAPLUS

CN 1-Pyrrolidineacetamide, α -(1-mercapto-1-methylethyl)-2-oxo-4-propyl-(9CI) (CA INDEX NAME)

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COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	28.88	201.19
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
CA SUBSCRIBER PRICE	ENTRY -3.12	SESSION -3.12

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